

SPECIAL NOTES:

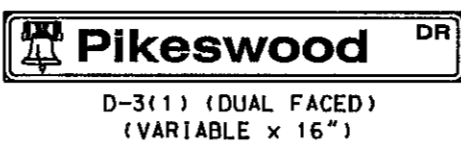
1. THE CONTRACTOR SHALL NOT BLOCK VIEW OF EXISTING SIGNAL INDICATIONS DURING INSTALLATION OF MAST ARM. IF NEW MAST ARM CANNOT BE INSTALLED DUE TO CONFLICT WITH EXISTING SIGNAL INDICATIONS OR SPAN WIRES, A SIGNAL OUTAGE SHALL OCCUR DURING NON-PEAK HOURS AS DIRECTED BY THE ENGINEER.
2. CONTRACTOR SHALL USE CAUTION WHEN INSTALLING SIGNAL EQUIPMENT TO AVOID DISTURBANCE OF EXISTING UNDERGROUND UTILITIES. CONTRACTOR SHALL TEST PIT TO DETERMINE EXACT LOCATION AND DEPTH OF UNDERGROUND UTILITIES PRIOR TO INSTALLING SIGNAL EQUIPMENT.
3. INSTALL 3'-0" DIAMETER x 15'-0" DEEP FOUNDATION FOR SIGNAL BASE IN LIEU OF 4'-0" DIAMETER x 10'-0" DEEP FOUNDATION.

CONSTRUCTION DETAILS

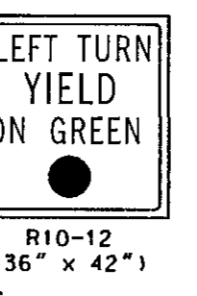
- A. INSTALL 27 FT. STEEL POLE WITH A TWIN 50 FT./60 FT. MAST ARMS, TRAFFIC SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERAS MOUNTED ON LIGHTING BRACKET AND MAST ARM, 15 FT. STREET LIGHTING ARM WITH A 250 WATT HIGH PRESSURE SODIUM VAPOR LUMINAIRE AND PEDESTRIAN SIGNAL AND PUSHBUTTON AND R10-4(1) SIGN (SIGN TO READ "PUSHBUTTON TO CROSS LIBERTY RD"). (INSTALL 1-2 IN. AND 1-4 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN POLE BASE). CONTRACTOR TO FURNISH AND INSTALL ANCHOR BOLTS IN ACCORDANCE WITH STANDARD NOS. MD 801.01 AND MD 818.08.
- B. INSTALL 27 FT. STEEL POLE WITH A 60 FT. MAST ARM, TRAFFIC SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERA MOUNTED ON MAST ARM, AND CONTROL AND DISTRIBUTION EQUIPMENT. (INSTALL 1-2 IN. AND 1-4 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN POLE BASE). CONTRACTOR TO FURNISH AND INSTALL ANCHOR BOLTS IN ACCORDANCE WITH STANDARD NOS. MD 801.01 AND MD 818.06.
- C. INSTALL 27 FT. (CUT TO 21 FT.), STEEL POLE WITH A 34 FT. MAST ARM, TRAFFIC SIGNAL HEADS, VIDEO DETECTION CAMERA MOUNTED ON MAST ARM, 3 IN. WEATHERHEAD, SIGNS AND PEDESTRIAN SIGNALS AND PUSHBUTTON AND R10-4(1) SIGN (SIGN TO READ "PUSHBUTTON TO CROSS LIBERTY RD"). (INSTALL 1-2 IN. AND 1-4 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN POLE BASE).

TELEPHONE	14'-10"
TELEPHONE	16'-7"
TELEPHONE	18'-8"
CABLE	20'-7"
SPAN	22'-2"
SECONDARY	25'-9"
PRIMARY	32'-3"
PRIMARY	OVER 40'

18.20.21.23



19.22



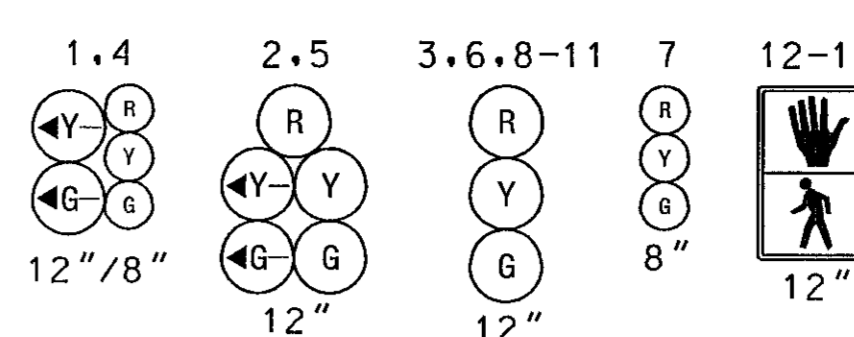
24



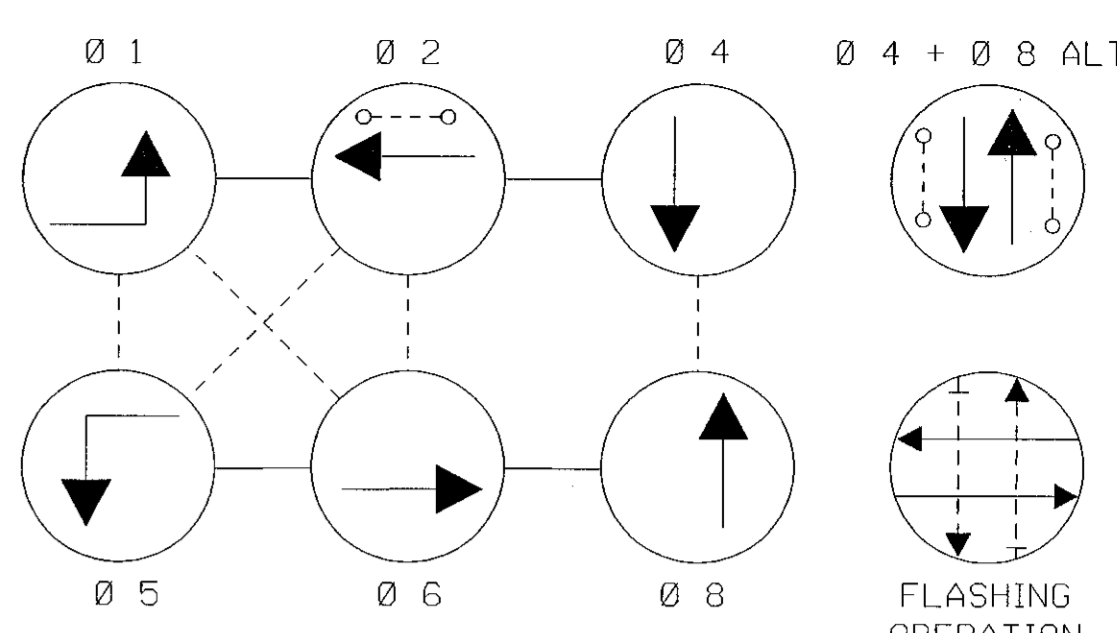
25.26



SIGNAL HEADS



NEMA PHASING

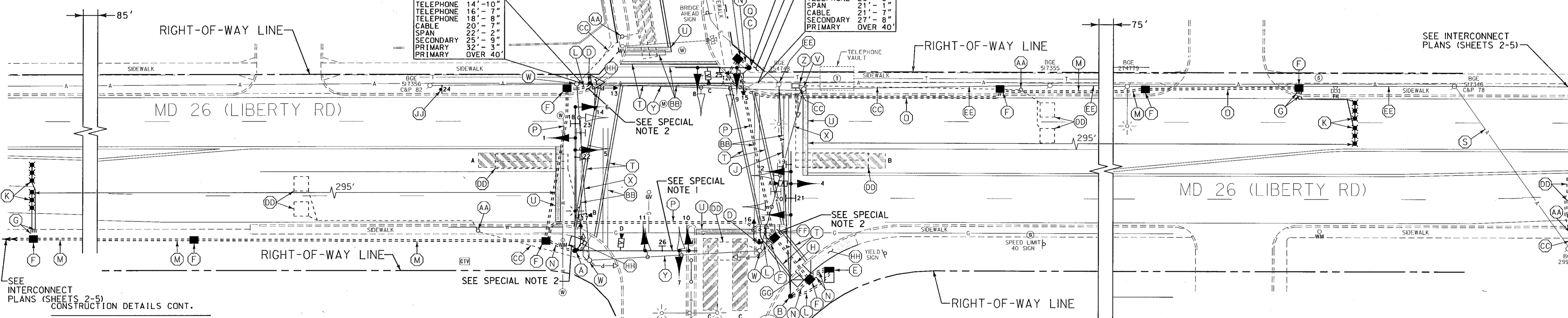


PHASING NOTES:

1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.

CONSTRUCTION DETAILS CONT.

- CC. CAP AND ABANDON EXISTING CONDUIT.
- DD. ABANDON EXISTING LOOP DETECTOR.
- EE. REMOVE EXISTING 2-CONDUCTOR ELECTRICAL CABLES, INTERCONNECT CABLE, AND SPAN WIRE ATTACHED TO UTILITY POLE. INSTALL NEW INTERCONNECT CABLE ON UTILITY POLE AT SAME LOCATION.
- FF. INSTALL MEDIAN OPENING IN ACCORDANCE WITH STANDARD NO. MD 655.21.
- GG. INSTALL TYPE I SIDEWALK RAMP IN ACCORDANCE WITH STANDARD NO. MD 655.11.
- HH. INSTALL 4 IN. CONCRETE SIDEWALK.
- JJ. INSTALL R2-1 SIGN (24 IN. x 30 IN.) ONE 4 IN. x 4 IN. TREATED WOOD POST.



SEE INTERCONNECT PLANS (SHEETS 2-5)  
CONSTRUCTION DETAILS CONT.

- D. INSTALL 10 FT. BREAKAWAY PEDESTAL POLE WITH PEDESTRIAN SIGNAL(S) AND PUSHBUTTON AND R10-4(1) SIGN (SIGN TO READ "PUSHBUTTON TO CROSS LIBERTY RD"). (INSTALL 2-2 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN PEDESTAL BASE).
- E. INSTALL NEMA SIZE "6" BASE MOUNTED CABINET AND CONTROLLER WITH CONCRETE PAD. (INSTALL 2-2 IN. AND 2-4 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN CABINET BASE.)
- F. INSTALL HANDHOLE.
- G. INSTALL 1 IN. LIQUID-TIGHT FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE).
- H. INSTALL 2-4 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT IN COMMON SLOT.
- J. PROPOSED OVERHEAD ELECTRICAL SERVICE. (BGE - WMA 1054351)
- K. INSTALL MICROLOOP PROBE SET WITH 1,000 FT. LEAD-IN.
- L. INSTALL 2 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
- M. INSTALL 3 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
- N. INSTALL 4 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
- O. INSTALL 3 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (SLOTTED).
- P. INSTALL 4 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (SLOTTED).
- Q. CUT, CLEAN, GALVANIZE AND CAP TRAFFIC SIGNAL STRUCTURE.
- R. INSTALL 5 IN. YELLOW HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING (CENTERLINE) FOR 50 FEET FROM STOPLINE.
- S. REMOVE EXISTING 2-CONDUCTOR ELECTRICAL CABLES AND SPAN WIRE ATTACHED TO UTILITY POLE.
- T. INSTALL 12 IN. WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING (CROSSWALK).
- U. INSTALL 24 IN. WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING (STOP LINE).
- V. REMOVE EXISTING STRAIN POLE, PEDESTRIAN SIGNAL HEADS AND SIGN BANNED TO POLE. REMOVE FOUNDATION 12 IN. BELOW GRADE.
- W. REMOVE EXISTING STRAIN POLE AND PEDESTRIAN SIGNAL HEADS. REMOVE FOUNDATION 12 IN. BELOW GRADE.
- X. REMOVE EXISTING SPAN WIRE, SIGNAL HEADS AND SIGNS.
- Y. REMOVE EXISTING SPAN WIRE AND SIGNAL HEADS.
- Z. REMOVE EXISTING BASE MOUNTED CABINET AND CONTROLLER. REMOVE FOUNDATION 12 IN. BELOW GRADE. SHA SIGNAL SHOP SHALL BE NOTIFIED TO REMOVE THE CONTROLLER AND ALL AUXILIARY EQUIPMENT FROM THE CABINET.
- AA. REMOVE EXISTING HANDHOLE.
- BB. REMOVE EXISTING PAVEMENT MARKINGS.

PIKESWOOD DRIVE (PRIVATE ROAD)

CARRIAGE HILL

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE	— A —
ELECTRICAL	— E —
TELEPHONE	— T —
GAS	— G —
SEWER	— SS —
STORM DRAIN	— SD —
WATER	— W —
CABLE TV	— TV —



Whitman, Reardon  
and Associates, LLP  
801 South Caroline Street  
Baltimore, Maryland 21231  
(410) 235-3450

REVISIONS

3/11/15  
10/15/15

APPROVALS

TEAM LEADER: TRAFFIC ENGINEERING DESIGN DIVISION  
ASST. TRAFFIC ENGINEERING DESIGN DIVISION  
DIRECTOR, TRAFFIC & SAFETY



MARYLAND DOT - STATE HIGHWAY ADMINISTRATION  
Office of Traffic & Safety  
TRAFFIC ENGINEERING DESIGN DIVISION  
TRAFFIC SIGNALIZATION PLAN  
MD 26 (LIBERTY RD.) AND PIKESWOOD DR.

DRAWN BY: W. R. SMITH	F.A.P. NO. AT3575185	TS NO. TS-1858A	SHEET NO. 1 OF 6
CHECKED BY: [Signature]	S.H.A. NO. BALTIMORE	T.I.M.S. NO. F452	
DATE: 7/26/73	LOG MILE: 03002604.37		